

CPC**COOPERATIVE PATENT CLASSIFICATION****D01G**

PRELIMINARY TREATMENT OF FIBRES, e.g. FOR SPINNING (winding or unwinding, conducting or guiding laps, webs, slivers or rovings in general, sliver or roving cans, depositing in sliver or roving cans [B65H](#) ; preparation of fibres for paper-making [D21](#))

NOTE

Attention is drawn to the note following the title of Class [D01](#) .

Guide heading:**D01G 1/00****Severing continuous filaments or long fibres, e.g. stapling**

D01G 1/02

. to form staple fibres not delivered in strand form

D01G 1/022

.. {by solvents }

D01G 1/025

.. {by thermic means, e.g. laser }

D01G 1/027

... {by freezing }

D01G 1/04

.. by cutting

D01G 1/06

. Converting tows to slivers or yarns, e.g. in direct spinning ([drafting arrangements](#), [twisting arrangements](#) [D01H](#))

D01G 1/08

.. by stretching or abrading

D01G 1/081

... {with preferential breaking zones }

D01G 1/083

.... {obtained by mechanical means, e.g. by squeezing }

D01G 1/085

.... {obtained by thermic means }

D01G 1/086

..... {by freezing }

D01G 1/088

.... {obtained by electric or electro-static means }

D01G 1/10

.. by cutting

D01G 3/00**Roughening of fibres****D01G 5/00**

Separating, e.g. sorting, fibres ([separating fibres of differing lengths in silk-dressing machines](#) [D01G 17/00](#); in [combing machines](#) [D01G 19/00](#))

D01G 7/00**Breaking or opening fibre bales**

D01G 7/02

. by means of beater arms

D01G 7/04

. by means of toothed members

D01G 7/06

. Details of apparatus or machines

- D01G 7/08 . . Arrangements for feeding bales to comminuting elements
- D01G 7/10 . . Arrangements for discharging fibres
- D01G 7/12 . . Framework
 - Casings
 - Coverings
 - Grids
- D01G 7/14 . . Driving arrangements

- D01G 9/00** **Opening or cleaning fibres, e.g. scutching cotton** (scutching flax or like fibres [D01B](#) ; making cellulose wadding in papermaking machines [D21F 11/14](#))

- D01G 9/02 . by agitation within a moving receptacle
- D01G 9/04 . by means of beater arms
- D01G 9/06 . by means of toothed members
- D01G 9/08 . by means of air draught arrangements
- D01G 9/10 . . using foraminous cylinders (foraminous suction cylinders for lap-forming [D01G 25/00](#))
- D01G 9/12 . Combinations of opening or cleaning machines
- D01G 9/14 . Details of machines or apparatus
- D01G 9/16 . . Feeding arrangements (fibre-feeding apparatus of general application in fibre-treating machines [D01G 23/00](#))
- D01G 9/18 . . Arrangements for discharging fibres
- D01G 9/20 . . Framework
 - Casings
 - Coverings
 - Grids
- D01G 9/22 . . Driving arrangements

- D01G 11/00** **Disintegrating fibre-containing articles to obtain fibres for re-use**

- D01G 11/02 . Opening, unravelling, or teasing ropes or like fibrous strands to obtain fibres for re-use
- D01G 11/04 . Opening rags to obtain fibres for re-use (mechanical treatment of rags for paper-making [D21B](#))

- D01G 13/00** **Mixing, e.g. blending, fibres**
Mixing non-fibrous materials with fibres (mixing of fibres combined with other operations, e.g. bale-breaking of fibre-opening, see appropriate groups for such operations)

- D01G 15/00** **Carding machines or accessories**
Card clothing
Burr-crushing or removing arrangements associated with carding or other preliminary-treatment machines (de-burring apparatus or machines operating

independently [D01B](#))

| | |
|-----------------------------|---|
| D01G 15/02 | . Carding machines |
| D01G 15/04 | .. with worker and stripper or like rollers operating in association with a main cylinder |
| D01G 15/06 | ... Garnett machines |
| D01G 15/08 | .. with flats or like members or endless card sheets operating in association with a main cylinder |
| D01G 15/10 | .. with other apparatus, e.g. drafting devices, in integral or closely-associated combination (web-dividing apparatus D01G 15/46 ; burr-crushing or removing arrangements D01G 15/94) |
| D01G 15/12 | .. Details |
| D01G 15/14 | ... Constructional features of carding elements, e.g. for facilitating attachment of card clothing |
| D01G 15/16 | Main cylinders Breasts |
| D01G 15/18 | Workers Strippers Doffers (doffers specially adapted for web dividing D01G 15/54) |
| D01G 15/20 | Feed rollers Takers-in |
| D01G 15/22 | Fancies |
| D01G 15/24 | Flats or like members |
| D01G 15/26 | ... Arrangements or disposition of carding elements |
| D01G 15/28 | ... Supporting arrangements for carding elements Arrangements for adjusting relative positions of carding elements |
| D01G 15/30 | Bends |
| D01G 15/32 | ... Framework Casings Coverings |
| D01G 15/34 | ... Grids Dirt knives Angle blades |
| D01G 15/36 | ... Driving or speed control arrangements |
| D01G 15/38 | for use during the grinding of card clothing |
| D01G 15/40 | ... Feeding apparatus (fibre-feeding apparatus of general application to fibre-treating machines, e.g. hopper feeders D01G 23/00) |
| D01G 15/42 | Feeding from laps |
| D01G 15/44 | Intermediate feeds |
| D01G 15/46 | ... Doffing or like arrangements for removing fibres from carding elements Web-dividing apparatus Condensers (lap-forming devices D01G 25/00 ; fibre condensing guides D01H 5/72) |
| D01G 15/465 | { Doffing arrangements for removing fibres using, or cooperating with, pneumatic means } |
| D01G 15/48 | Stripping-combs |
| D01G 15/50 | Stripping-rollers or like devices |

- D01G 15/52 Web-dividing arrangements
- D01G 15/54 employing doffers specially adapted for web dividing
- D01G 15/56 employing tapes
- D01G 15/58 Sliver or like rubbing apparatus
- D01G 15/60 Constructions of rubbing leathers
- D01G 15/62 Slubbing-winding apparatus ([winding apparatus of general application to the winding of filamentary material B65H](#))
- D01G 15/64 Drafting or twisting apparatus associated with doffing arrangements or with web-dividing apparatus
- D01G 15/66 with arrangements inserting false twist ([false-twist devices D01H](#))
- D01G 15/68 with arrangements inserting permanent twist, e.g. spinning
- D01G 15/70 . . Arrangements for producing decorative or fancy effects in products
- D01G 15/72 . . Arrangements for returning waste to be re-carded
- D01G 15/74 . . Air draught arrangements ([air draught arrangements for stripping or for removing dust or fly D01G 15/76](#))

- D01G 15/76 . Stripping or cleaning carding surfaces
Maintaining cleanliness of carding area
- D01G 15/763 . . {[by suction or blowing \(D01G 15/785, D01G 15/805, D01G 15/825 take precedence\)](#) }
- D01G 15/766 . . {[Cleaning hand tools](#) }
- D01G 15/78 . . Arrangements for stripping flats
- D01G 15/785 . . . {[by suction or blowing](#) }
- D01G 15/80 . . Arrangements for stripping cylinders or rollers
- D01G 15/805 . . . {[by suction or blowing](#) }
- D01G 15/82 . . Arrangements for confining or removing dust, fly or the like
- D01G 15/825 . . . {[by suction or blowing](#) }

- D01G 15/84 . Card clothing
Manufacture thereof not otherwise provided for ([arrangements for driving carding-machine elements during grinding D01G 15/38; grinding card clothing B24B](#))
- D01G 15/86 . . with flexible non-metallic backing
- D01G 15/88 . . formed from metal sheets or strips
- D01G 15/90 . . Lags, e.g. for jute cards
- D01G 15/92 . . Attaching card clothing to carding elements

- D01G 15/94 . Burr-crushing or removing arrangements
- D01G 15/96 . . Burr-crushing rollers
- D01G 15/98 . . Morel or like apparatus

- D01G 17/00 Silk-dressing machines**

- D01G 19/00 Combing machines**

- D01G 19/02 . with pinned circles, e.g. Noble

- D01G 19/04 . with pinned cylinders, e.g. rectilinear
- D01G 19/06 . Details
- D01G 19/08 . . Feeding apparatus
- D01G 19/10 . . Construction, mounting, or operating features of combing elements
- D01G 19/105 . . . {Combing cylinders (needle bars [D01H 5/14](#)) }
- D01G 19/12 . . Devices for laying or holding fibres in combs, e.g. dabbing brushes
- D01G 19/14 . . Drawing-off and delivery apparatus
- D01G 19/16 . . . Nipper mechanisms
- D01G 19/18 . . . Roller, or roller and apron, devices, e.g. operating to draw-off fibres continuously
- D01G 19/20 operating to draw-off fibres intermittently
- D01G 19/22 . . Arrangements for removing, or disposing of, noil or waste
- D01G 19/24 . . Framework
Casings
Coverings
- D01G 19/26 . . Driving arrangements
- D01G 19/28 . . Air draught or like pneumatic arrangements
- D01G 19/30 . . Heating arrangements
- D01G 21/00** **Combinations of machines, apparatus, or processes, e.g. for continuous processing** ([D01G 1/06](#), [D01G 9/12](#), [D01G 15/46](#), [D01G 15/94](#) take precedence)
- D01G 23/00** **Feeding fibres to machines**
Conveying fibres between machines ([D01G 21/00](#) takes precedence; intermediate feeds in carding machines [D01G 15/40](#))
- D01G 23/02 . Hoppers
Delivery shoots
- D01G 23/04 . . with means for regulating rate of feed
- D01G 23/045 . . . {by successive weighing; Weighing hoppers }
- D01G 23/06 . Arrangements in which a machine or apparatus is regulated in response to changes in the volume or weight of fibres fed, e.g. piano motions ([arrangements in which draft is regulated in response to irregularities in fibre supply D01H](#))
- D01G 23/08 . Air draught or like pneumatic arrangements
- D01G 25/00** **Lap-forming devices not integral with machines specified above** ([forming mats or batts of continuous filaments for non-woven fabrics D04H](#))
- D01G 27/00** **Lap- or sliver-winding devices, e.g. for products of cotton scutchers, jute cards, or worsted gill boxes**
- D01G 27/02 . with lap-roll or the like loaded to provide firm packages

- D01G 27/04 . with automatic discharge of lap-roll or the like

- D01G 29/00** **Arrangements for lubricating fibres, e.g. in gill boxes** (processes involving the use of particular lubricants [D06M 15/00](#))

- D01G 31/00** **Warning or safety devices, e.g. automatic fault detectors, stop motions** (safety devices of general application [F16P](#) ; indicating devices of general application [G08B](#))

- D01G 31/003 . {Detection and removal of impurities }

- D01G 31/006 . {On-line measurement and recording of process and product parameters }

- D01G 33/00** **Hand tools for treatment of fibres**

- D01G 35/00** **Treatment of oakum**

- D01G 99/00** **Subject matter not provided for in other groups of this subclass**

- D01G 99/005 . { Conditioning of textile fibre during treatment before spinning (conditioning during spinning or twisting [D01H 13/30](#)) }